

# A checklist of Iranian Deltocephalinae (Hemiptera: Cicadellidae)

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By using published records and original data from recent research, the first checklist for subfamily Deltocephalinae from Iran is presented. This study is based on a comprehensive review of literatures and the examination of some materials from our collection. The present checklist contains 184 species belonging to 74 genera. In addition, for each species, the known geographical distribution in Iran and in the world is reported.

**Key words:** leafhoppers, records, subfamily, distribution, Iran.

## INTRODUCTION

Zahniser and Dietrich (2013) stated that currently Deltocephalinae contains 6683 valid species and 923 genera, making it the largest subfamily of Cicadellidae based on the number of described species. The subfamily is distributed worldwide, and it contains the majority of leafhoppers vectoring economically important plant diseases, some of which cause significant damage and economic loss". Many species feed on herbaceous or woody dicotyledonous plants, while about 1/3 of the tribes specialize on grass and sedge hosts and are particularly diverse and abundant in grassland ecosystems (Dietrich, 2005). The history of the faunistic studies on leafhoppers in Iran is mainly based on Dlabola's investigations (1957; 1958; 1960; 1961; 1964; 1971; 1974; 1977; 1979; 1981; 1984; 1987; 1994). After that new data on the Iranian leafhoppers were so scarce. Just Mirzayans (1995) has published a checklist of Auchenorrhyncha in the insect collection of Plant Pests and Diseases Research Institute. As Iranian researchers have been published their reports almost in local journals or presented them at national scientific congresses, it is really difficult for a foreign researcher to access these literatures. The present checklist is a survey to collect the results of all identified deltocephalinae in Iran and to indicate their taxonomic status and distribution. Also distribution in the world is added as much as possible. It can be a helpful reference for who are interested in Iranian Deltocephalinae.

## MATERIAL AND METHODS

The first checklist of the Iranian Deltocephalinae was assembled using published records and original data. Species referred to in postgraduate theses and some scientific meetings are not formal publications not considered herein. For each species, the Iranian provinces are cited where the species has been collected (Fig. 1). The material examined were confirmed by Dr. Michael R. Wilson (National Museum of Wales, UK) and deposited in Jalal Afshar Zoological Museum at University of Tehran (JAZMUT).



FIGURE 1. Map of provinces of Islamic Republic of Iran.

## RESULTS

### Subfamily Deltocephalinae Fieber, 1947

#### Genus *Acacimenus* Dlabola, 1979

#### *Acacimenus makranus* Dlabola, 1979

**Records:** Hormozgan, Mazandaran, Sistan & Balouchestan Provinces (Dlabola, 1984; Mirzayans, 1995).

**Distribution:** Iran, Saudi Arabia (Dlabola, 1979; Nast, 1982).

#### Genus *Aconura* Lethierry, 1876

#### *Aconura (Aconura) amitina* (Melichar, 1902)

**Records:** Hormozgan, Khouzestan, Sistan & Balouchestan Provinces (Mirzayans, 1995).

**Distribution:** Afghanistan, Azerbaijan, European Russia, Georgia, Iran, Israel, Kazakhstan, Kyrgyzstan, Saudi Arabia, Tadjikistan, Turkmenistan, Uzbekistan (Metcalf, 1967; Nast, 1972; Dlabola, 1979).

***Aconura (Aconura) jakowlefi* Lethierry, 1876****Records:** Boushehr, Qom, Golestan, Khouzestan, Lorestan Provinces (Mirzayans, 1995).**Distribution:** European Russia, Iran (Metcalf, 1967).***Aconura (Aconura) volgensis* Lethierry, 1876****Records:** Khouzestan, Sistan & Balouchestan Province (Dlabola, 1971).**Distribution:** European Russia, Iran, Kazakhstan, Kyrgyzstan, Tadzhikistan, Turkey, Turkmenistan, Uzbekistan (Metcalf, 1967; Nast, 1972).**Genus *Aconurella* Ribaut, 1948*****Aconurella prolixa* (Lethierry, 1855)****Material examined:** Iran: Kerman Province: Bam, Baravat, 19.Sep.2010, 2 ♂ and 5 ♀, in palm trees by sweeping, leg.: F. Pakarpour (JAZMUT).**Records:** Alborz, Kerman, Kouzestan, Sistan & Balouchestan, Tehran, W. Azarbaijan Provinces (Dlabola, 1960; 1971; Mirzayans, 1995).**Distribution:** Oriental and Palearctic (Metcalf, 1967; Nast, 1972).**Genus *Aglena* Amyot & Serville, 1843*****Aglena ornata* (Herrich-Schäffer, 1838)****Records:** Unknown locality.**Distribution:** Albania, European Russia, France, Germany, Greece, Iran, Italy, Morocco, Romania, Spain, Turkey, Ukraine (Metcalf, 1967; Nast, 1972).**Genus *Anaconura* Emeljanov, 1999*****Anaconura instabilis* (Ribaut, 1948)****Records:** Hormozgan, Sistan & Balouchestan Provinces (Dlabola, 1994).**Distribution:** Cyprus, Greece, Iran, Saudi Arabia, Turkey (Metcalf, 1967; Dlabola, 1979; Kartal, 1982).**Genus *Anoplotettix* Ribaut, 1942*****Anoplotettix golestanicus* Dlabola, 1984****Records:** Golestan Province (Dlabola, 1984).**Distribution:** Iran (Dlabola, 1984).***Anoplotettix guilanicus* Dlabola, 1981****Records:** Guilan Province – Dlabola (1981); Mirzayans (1995).**Distribution:** Iran (Dlabola, 1981).***Anoplotettix hyrcanus* Dlabola, 1981****Records:** Golestan, Guilan, Mazandaran Provinces (Dlabola, 1981; Mirzayans, 1995).**Distribution:** Iran (Dlabola, 1981).**Genus *Arocephalus* Ribaut, 1946*****Arocephalus longiceps* (Kirschbaum, 1868)****Records:** Tehran Province (Mirzayans, 1995).**Distribution:** Iran, Mongolia, Western Palearctic (Dlabola, 1967a; Metcalf, 1967; Nast, 1972).***Arocephalus remanei* Dlabola, 1971****Records:** Guilan, Tehran Provinces (Dlabola, 1972; Nast, 1982; Mirzayans, 1995).

**Distribution:** Iran (Nast, 1982).

**Genus *Balclutha* Kirkaldy, 1900**

***Balclutha flavella* Linnavuori, 1962**

**Material examined:** Iran: Kerman Province: Jiroft, Dalfard, 13.Mar.2010, 3 ♂ and 2 ♀, with light trap, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Kordestan, Tehran Provinces (Mirzayans, 1995).

**Distribution:** European Russia, Iran, Israel (Linnavuori, 1962).

***Balclutha frontalis* (Ferrari, 1882)**

**Records:** Khouzestan, Tehran Provinces (Dlabola, 1971; Mirzayans, 1995).

**Distribution:** This species has cosmopolitan distribution (Delong & Davidson, 1933; Metcalf, 1967; Cavichioli & Zanol, 1991).

***Balclutha punctata* (Fabricius, 1775)**

**Records:** Guilan Province (Mirzayans, 1995).

**Distribution:** Nearctic, Oriental and Palearctic (Metcalf, 1967).

***Balclutha rosea* (Scott, 1876)**

**Material examined:** Iran: Kerman Province: Khabr National Park, 5.Aug.2010, 2 ♂ and 5 ♀, swept on grassland, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman Province (Pakarpour & Nozari, 2011a).

**Distribution:** Eastern Palearctic, Western Palearctic (Metcalf, 1967).

***Balclutha rufofasciata* (Merino, 1936)**

**Material examined:** Iran: Kerman Province: Shahdad, 10.Apr.2010, 14 ♂ and 23 ♀, in palm trees with light trap; Rahmat Abad Rigan, 23.Sep.2010, 12 ♂ and 7 ♀, in Citrus trees by sweeping, leg.: F. Pakarpour (JAZMUT).

**Records:** Hormozgan, Kerman Province (Dlabola, 1987; Mirzayans, 1995).

**Distribution:** Egypt, Iran, Palestine and Oriental regions (Metcalf, 1967).

**Genus *Bampurius* Dlabola, 1977**

***Bampurius bahukalatus* Dlabola, 1977**

**Material examined:** Iran: Kerman Province: Bam, Baravat, 19.Sep.2010, 2 ♂, swept on weeds, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Sistan & Balouchestan Provinces (Dlabola, 1977).

**Distribution:** Iran (Nast, 1982).

***Bampurius eberti* (Dlabola, 1964)**

**Records:** Hormozgan, Sistan & Balouchestan Provinces (Dlabola, 1964; 1977; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1964).

***Bampurius striatus* Dlabola, 1977**

**Records:** Sistan & Balouchestan Province (Dlabola, 1977).

**Distribution:** Iran (Dlabola, 1977; Nast, 1982).

***Bampurius trilunulatus* Dlabola, 1984**

**Records:** Hormozgan Province (Dlabola, 1984; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1984).

**Genus *Brachylope* Emeljanov, 1962**

***Brachylope petrophila* (Dlabola, 1974)**

**Records:** Alborz, Fars, Isfahan, Kordestan, Sistan & Balouchestan, Tehran Provinces (Dlabola, 1974; 1984; Mirzayans, 1995).

**Distribution:** Iran (Nast, 1982).

**Genus *Burakia* Kocak, 1981**

***Burakia eminens* (Dlabola, 1977)**

**Records:** Fars, Hormozgan Provinces (Dlabola, 1977; Mirzayans, 1995).

**Distribution:** Iran (Nast, 1982).

***Burakia imitata* (Dlabola, 1977)**

**Records:** Fars, Kohkilouyeh & Boirahmad Provinces (Dlabola, 1977; Mirzayans, 1995).

**Distribution:** Iran (Nast, 1982).

**Genus *Chiasmus* Mulsant & Rey, 1855**

***Chiasmus conspurcatus* (Perris, 1857)**

**Records:** E. Azarbaijan, Golestan, Khorasan Razavi, Mazandaran, Tehran Provinces (Dlabola, 1961; 1971; Mirzayans, 1995).

**Distribution:** Austria, Bosnia and Herzegovina, Bulgaria, Canary Islands, Croatia, Egypt, France, Germany, Iraq, Iran, Italy, Portugal, Serbia, Spain, Yugoslavia (Metcalf, 1967; Nast, 1972).

**Genus *Cicadula* Zetterstedt, 1840**

***Cicadula (Cicadula) mesasiatica* Dubovsky, 1966**

**Records:** Tehran Province (Mirzayans, 1995).

**Distribution:** Iran, Kyrgyzstan, Tajikistan, Uzbekistan (Dubovsky, 1966; Metcalf, 1967).

***Cicadula (Cicadula) placida* (Horváth, 1897)**

**Records:** Tehran Province (Mirzayans, 1995).

**Distribution:** France, Hungary, Iran, Slovakia (Metcalf, 1967).

**Genus *Cicadulella* China, 1928**

***Cicadulella pallida* (Haupt, 1927)**

**Records:** Boushehr, Hormozgan Provinces (Mirzayans, 1995).

**Distribution:** Iran, Israel, Saudi Arabia (Metcalf, 1967; Dlabola, 1979).

**Genus *Cicadulina* China, 1926**

***Cicadulina (Cicadulina) bipunctata* (Melichar, 1904)**

**Material examined:** Iran: Kerman Province: Kahnouj, 7.Dec.2009, 6 ♂ and 14 ♀, in citrus trees, collected by light trap; Bam, Narmashir, 22.Sep.2010, 17 ♂ and 11 ♀, swept on corn, leg.: F. Pakarpour (JAZMUT).

**Records:** Hormozgan, Kerman, Khouzestan Provinces (Mirzayans, 1995).

**Distribution:** Australia, Canary Islands, Ethiopia, Guam, India, Indonesia, Iran, Japan, Kenya, Malaysia, Papua New Guinea, Philippines, Taiwan, Tanzania, Thailand, Yemen, Zambia, Zimbabwe (Metcalf, 1967; Webb, 1987).

***Cicadulina (Cicadulina) mbila* (Naudé, 1924)**

**Material examined:** Iran: Kerman Province: Jiroft, 2.Dec.2009, 4 ♂ and 8 ♀, by light trap in corn field; Shahdad, 10.Apr.2010, 10 ♂ and 12 ♀, swept on Graminae, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Sistan & Balouchestan Provinces (Dlabola, 1960).

**Distribution:** Cape Verde, Ethiopia, India, Iran, Kazakhstan, South Africa, Sweden, Tajikistan, Tanzania, Yemen, Zambia, Zimbabwe (Metcalf, 1967; Webb, 1987).

**Genus *Concavifer* Dlabola, 1960*****Concavifer marmoratus* Dlabola, 1960**

**Records:** Hormozgan, Kerman, Khuzestan Provinces (Dlabola, 1960; 1961; 1984; Mirzayans (1995).

**Distribution:** Iran, Saudi Arabia (Dlabola, 1960; 1979; Nast, 1972).

**Genus *Diacra* Emeljanov, 1961*****Diacra capraecornis* Dlabola, 1984**

**Records:** Khorasan Razavi Province (Dlabola, 1984).

**Distribution:** Iran (Dlabola, 1984).

***Diacra gazellaecornis* Dlabola, 1984**

**Records:** Khorasan Razavi Province (Dlabola, 1984); Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1984).

***Diacra vilbastei* Dlabola, 1984**

**Records:** Khorasan Razavi Province (Dlabola, 1984).

**Distribution:** Iran (Dlabola, 1984).

**Genus *Diplocolenus* Ribaut, 1946*****Diplocolenus (Diplocolenus) uniformis* Anufriev, 1970**

**Material examined:** Iran: Kerman Province: Dalfard, 12.Sep.2012, 7 ♂ and 11 ♀, in citrus orchard, collected by sweeping.

**Records:** Kerman Province (Pakarpour & Nozari, 2014a).

**Distribution:** European Russia, Iran (Anufriev, 1970; Pakarpour & Nozari, 2014a).

**Genus *Dohukia* Meyer–Arndt & Remane, 1992*****Dohukia dena* (Dlabola, 1977)**

**Records:** Fars, Kohkilouyeh & Boirahmad Provinces (Dlabola, 1977; Nast, 1982).

**Distribution:** Iran (Dlabola, 1977; Nast, 1982).

**Genus *Doratūra* Sahlberg, 1871*****Doratūra (Doratūra) stylata* (Boheman, 1847)**

**Records:** Ardebil Province (Abdollahi et al., 2014a).

**Distribution:** Nearctic, Palearctic, and Oriental (Metcalf, 1967; Hamilton, 1983; Duan & Zhang, 2012).

***Doratūra (Doratūrīna) homophyla* (Flor, 1861)**

**Records:** W. Azarbaijan Province (Mirzayans, 1995).

**Distribution:** China, Denmark, Estonia, European Russia, Finland, Germany, Iran, Latvia, Lithuania, Norway, Poland, Sweden (Metcalf, 1967; Duan & Zhang, 2012).

***Doratura marandica* Dlabola, 1981****Records:** W. Azarbaijan Province (Dlabola, 1981).**Distribution:** Iran (Dlabola, 1981).**Genus *Doratulina* Melichar, 1903*****Doratulina pallida* Dlabola, 1994****Material examined:** Iran: Kerman Province: Manujan, 8.Dec.2009, 6 ♂ and 11 ♀, citrus trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).**Records:** Hormozgan, Sistan & Balouchestan Provinces (Dlabola, 1994).**Distribution:** Iran (Dlabola, 1994).***Doratulina roseolutea* Dlabola, 1994****Material examined:** Iran: Kerman Province: Manujan, 8.Dec.2009, 1 ♂ and 1 ♀, Citrus trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).**Records:** Hormozgan Province and other parts of Southern Iran (Dlabola, 1994).**Distribution:** Iran (Dlabola, 1994).**Genus *Doratuopsis* Lindberg, 1935*****Doratuopsis (Doratuopsis) heros* (Melichar, 1902)****Records:** Unknown locality.**Distribution:** China, Georgia, Iran, Kazakhstan, Kyrgyzstan, Tadjikistan, Turkmenistan, Uzbekistan (Metcalf, 1967; Nast, 1972).**Genus *Dryadomorpha* Kirkaldy, 1906*****Dryadomorpha mangrovecola* (Dlabola, 1979)****Records:** Hormozgan Province (Dlabola, 1979).**Distribution:** Iran (Dlabola, 1979; Nast, 1982).***Dryadomorpha pallida* Kirkaldy, 1906****Records:** Sistan & Balouchestan Province (Dlabola, 1960).**Distribution:** Australia, Cape Verde, India, Iran, Israel, Japan, Seychelles, Sri Lanka (Lindberg, 1958; Dlabola, 1960; Metcalf, 1967).**Genus *Elymana* Delong, 1936*****Elymana sulphurella* (Z&sterstedt, 1828)****Material examined:** Iran: Kerman Province: Ravar, 1.Aug.2010, 1 ♂ and 3 ♀, swept on Graminae, leg.: F. Pakarpour (JAZMUT).**Records:** Tehran Province (Mirzayans, 1995).**Distribution:** Eastern and Western Palearctic, Oriental (Metcalf, 1967).**Genus *Eupelix* Germar, 1821*****Eupelix cuspidata* (Fabricius, 1775)****Material examined:** Iran: Kerman Province: Rafsanjan, 12.May.2010, 1 ♂ and 2 ♀, pistachio trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).**Records:** Kerman, Lorestan Provinces (Dlabola, 1961; Mirzayans, 1995).**Distribution:** Eastern and Western Palearctic, Oriental (Metcalf, 1967).**Genus *Euscelidius* Ribaut, 1942*****Euscelidius mundus* (Haupt, 1927)**

**Material examined:** Iran: Kerman Province: Dalfard, 13.Mar.2010, 2 ♂ and 4 ♀, swept on grassland; Mahan, 5.Jul.2010, 1 ♂ and 1 ♀; swept on Alfalfa, leg.: F. Pakarpour (JAZMUT).

**Records:** Alborz, Boushehr, E. Azarbaijan, Fars, Guilan, Qom, Hormozgan, Kerman, Khouzestan, Tehran Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Afghanistan, European Russia, Iran, Jordan, Tajikistan (Dlabola, 1965; Metcalf, 1967; Nast, 1972; Korolevskaya, 1979).

### **Genus *Euscelis* Brulle, 1832**

#### ***Euscelis alsius* Ribaut, 1952**

**Material examined:** Iran: Kerman Province: Jiroft, 2.Dec.2009, 20 ♂ and 12 ♀, by light trap in corn field; Shahdad, 10.Apr.2010, 24 ♂ and 13 ♀, swept on Graminae, leg.: F. Pakarpour (JAZMUT).

**Records:** Fars, Kerman, Tehran Provinces (Dlabola, 1974; Kheiri, 1988; Mirzayans, 1995).

**Distribution:** Cyprus, France, Iran, Italy, Morocco, Tajikistan (Metcalf, 1967; Dlabola, 1974; Korolevskaya, 1979).

#### ***Euscelis incisus* (Kirschbaum, 1858)**

**Material examined:** Iran: Kerman Province: Jiroft, 2.Dec.2009, 2 ♂ and 2 ♀; with light trap in palm trees; leg.: F. Pakarpour (JAZMUT).

**Records:** Qom, Hormozgan, Isfahan, Kerman, Tehran Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Eastern and Western Palearctic (Metcalf, 1967; Nast, 1972).

#### ***Euscelis lineolatus* Brullé, 1832**

**Records:** Isfahan Province (Dlabola, 1984).

**Distribution:** Eastern and Western Palearctic (Dlabola, 1965; Metcalf, 1967).

#### ***Euscelis obsoletus* (Kirschbaum, 1858)**

**Material examined:** Iran; Kerman Province: Narmashir, 22.Dec.2010, 5 ♂, 1 ♀, palm trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman Province (Pakarpour & Nozari, 2011a).

**Distribution:** Europe, Iran, Nearctic region and North of Africa (Metcalf, 1967).

### **Genus *Evinus* Dlabola, 1977**

#### ***Evinus graminicolus* Dlabola, 1977**

**Records:** Sistan & Balouchestan, Tehran Provinces (Dlabola, 1977; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1977).

### **Genus *Exitianus* Ball, 1929**

#### ***Exitianus capicola* (Stål, 1855)**

**Material examined:** Iran; Iran; Kerman Province: Bam, 19.Sep.2010, 1 ♂ and 2 ♀, with light trap in palm orchards, leg.: F. Pakarpour (JAZMUT).

**Records:** Hormozgan, Kerman, Khouzestan, Sistan & Balouchestan Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Palearctic and South Africa (Metcalf, 1967; Nast, 1972; Dlabola, 1979).



***Exitianus coronatus* (Distant, 1918)**

**Material examined:** Iran; Kerman Province: Anbar Abad, 4.Dec.2009, 1 ♂ and 2 ♀, swept on grasslands; Iranshahr, 21.Sep.2010, 3 ♂ and 8 ♀, in palm trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Sistan & Balouchestan Provinces (Pakarpour & Nozari, 2014b).

**Distribution:** India, Iran (Ross, 1968; Pakarpour & Nozari, 2014b).

***Exitianus indicus* (Distant, 1908)**

**Material examined:** Iran; Kerman Province: Shahdad, 10.Apr.2010, 2 ♂, swept on weeds, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman Province (Pakarpour & Nozari, 2014b).

**Distribution:** Australia, China, India, Iran, Nepal, Pakistan, Philippines, Taiwan (Metcalf, 1967; Ahmed et al. 1988).

***Exitianus nanus* (Distant, 1908)**

**Material examined:** Iran; Kerman Province: Rabor, 12.Jul.2010, 2 ♂, with light trap in grasslands, leg.: F. Pakarpour (JAZMUT).

**Records:** Boushehr, Fars, Hormozgan, Kerman, Kordestan, Khouzestan, Lorestan, Sistan & Balouchestan, Tehran Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Afrotropical regions, Eastern and Western Palearctic, Oriental (Metcalf, 1967; Nast, 1972).

**Genus *Fieberiella* Signor&, 1880*****Fieberiella florii* (Stål, 1864)**

**Records:** Unknown locality.

**Distribution:** Nearctic and Palearctic (Metcalf, 1967; Nast, 1972).

***Fieberiella hyrcana* Dlabola, 1984**

**Records:** Unknown locality.

**Distribution:** Iran (Dlabola, 1984).

***Fiberiella macchiae* Linnavuori, 1962**

**Records:** Qom, Tehran Provinces (Dlabola, 1972; 1984; Mirzayans, 1995; Abaei, 1998).

**Distribution:** China, Czechoslovakia, Germany, Iran, Israel, Lebanon, Ukraine (Linnavuori, 1962; Wagner, 1963).

**Genus *Goniagnathus* Fieber, 1866*****Goniagnathus bishapuricus* Dlabola, 1994**

**Records:** South and Southwest of Iran (Dlabola, 1994).

**Distribution:** Iran (Dlabola, 1994).

***Goniagnathus (Goniozygotes) bolivari* (Melichar, 1907)**

**Records:** Qom, W. Azarbaijan Provinces (Dlabola, 1957; Mirzayans, 1995).

**Distribution:** Iran, Israel, Portugal, Spain (Linnavuori, 1956; Dlabola, 1957; Metcalf, 1967).

***Goniagnathus (Goniagnathus) brevis* (Herrich-Schäffer, 1835)**

**Records:** Kohkilouyeh & Boirahmad Province (Mirzayans, 1995).

**Distribution:** Eastern Palearctic, Western Palearctic (Metcalf, 1967; Nast, 1972).

***Goniagnathus dursoicus* Dlabola, 1994**

**Records:** Kerman, Sistan & Balouchestan Provinces (Dlabola, 1994).

**Distribution:** Iran (Dlabola, 1994).

***Goniagnathus (Epistagma) guttulinervis* (Kirschbaum, 1868)**

**Material examined:** Iran; Kerman Province: Rafsanjan, 12.May.2010, 1 ♂ and 3 ♀, swept on weeds, leg.: F. Pakarpour (JAZMUT).

**Records:** Hormozgan, Kerman, Khouzestan, Sistan & Balouchestan, Tehran Provinces (Dlabola, 1994; Mirzayans, 1995).

**Distribution:** Afrotropical regions, Palearctic (Metcalf, 1967; Nast, 1972; Dlabola, 1994).

***Goniagnathus hanifanus* Dlabola, 1979**

**Records:** Hormozgan Province (Dlabola, 1994).

**Distribution:** Iran, Saudi Arabia (Dlabola, 1979; 1994).

***Goniagnathus minor* Kusnezov, 1928**

**Records:** E. Azarbaijan Province (Dlabola, 1971).

**Distribution:** Iran, Ukraine (Metcalf, 1967; Dlabola, 1971).

**Genus *Grammacephalus* Haupt, 1929*****Grammacephalus genoicus* Dlabola, 1984**

**Records:** Hormozgan Province (Dlabola, 1984; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1984).

***Grammacephalus minabicus* Dlabola, 1984**

**Records:** Hormozgan Province (Dlabola, 1984).

**Distribution:** Iran (Dlabola, 1984).

***Grammacephalus pugio* (Noualhier, 1895)**

**Material examined:** Iran; Kerman Province: Jiroft, 14.Mar.2010, 1 ♂, swept on Graminae, leg.: F. Pakarpour (JAZMUT).

**Records:** Hormozgan, Kerman Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Iran, Israel, Jordan, Syria, Turkey (Dlabola, 1960; 1965; Metcalf, 1967; Nast, 1972).

**Genus *Graphocraerus* Thomson, 1869*****Graphocraerus montanus* Dlabola, 1994**

**Records:** Alborz, Mazandaran Provinces (Dlabola, 1994).

**Distribution:** Iran, Turkey (Dlabola, 1994).

**Genus *Handianus* Ribaut, 1942*****Handianus krameri* Dlabola, 1971**

**Records:** Hormozgan Province (Dlabola, 1971).

**Distribution:** Iran (Dlabola, 1971).

***Handianus procerus* (Herrich-Schäffer, 1835)**

**Records:** Tehran, Mazandaran Provinces (Dlabola, 1981).

**Distribution:** Palearctic (Linnavuori, 1962; Metcalf, 1967).

***Handianus semiramidis* Dlabola, 1981****Records:** Isfahan Province (Dlabola, 1981).**Distribution:** Iran (Dlabola, 1981).**Genus *Hardya* Edwards, 1922*****Hardya (Hardya) iranicola* Zachvatkin, 1946****Material examined:** Iran; Kerman Province: Anbar Abad, 4.Dec.2009, 1 ♂ and 1 ♀, swept on corn; Kahnouj, 7.Dec.2009, 1 ♂ and 1 ♀, with light trap, leg.: F. Pakarpour (JAZMUT).**Records:** Guilan, Kordestan, Tehran, Qom Provinces (Mirzayans, 1995).**Distribution:** Iran (Metcalf, 1967; Nast, 1972)***Hardya (Eohardya) fraudulenta* (Horváth, 1903)****Records:** Sistan & Balouchestan Province – Metcalf (1967); Dlabola (1994).**Distribution:** Cyprus, France, Hungary, Iran, Italy, Serbia, Spain.***Hardya (Eohardya) miyaneha* Dlabola, 1971****Records:** E. Azarbaijan Province (Dlabola, 1971).**Distribution:** Iran (Dlabola, 1971).**Genus *Hecalus* Stål, 1864*****Hecalus eximius* (Kirschbaum, 1868)****Material examined:** Iran; Kerman Province: Sekonj village, 24.Mar.2010, 3 ♀, swept on Weeds, leg.: F. Pakarpour (JAZMUT).**Records:** Boushehr, Fars, Hormozgan, Kerman, Mazandaran, S. Khorasan, Sistan & Balouchestan Provinces – Dlabola (1960); Nast (1972); Mirzayans (1995).**Distribution:** Iran, Israel, Italy, Saudi Arabia, Spain.***Hecalus glaucescens* (Fieber, 1866)****Records:** Alborz, Boushehr, Fars, Hormozgan, Kerman, Khouzestan, S. Khorasan, Sistan & Balouchestan Provinces (Mirzayans, 1995).**Distribution:** Eastern & Western Palearctic (Dlabola, 1965; Metcalf, 1967).**Genus *Henschia* Lethierry, 1892*****Henschia (Henschia) deminuta* (Dlabola, 1981)****Records:** Boushehr Province (Dlabola, 1981).**Distribution:** Iran, Turkey (Dlabola, 1981).**Genus *Limotettix* Sahlberg, 1871*****Limotettix (Limotettix) striolus* (Fallén, 1806)****Records:** E. Azarbaijan, Guilan, Kordestan Provinces (Mirzayans, 1995).**Distribution:** Nearctic, Oriental and Palearctic (Metcalf, 1967; Nast, 1972).**Genus *Macrosteles* Fieber, 1866*****Macrosteles fieberi* (Edwards, 1889)****Records:** Unknown locality.**Distribution:** Nearctic, Eastern and Western Palearctic (Dlabola, 1961; Metcalf, 1967).***Macrosteles laevis* (Ribaut, 1927)**

**Records:** Ardebil, E. Azarbaijan, Fars, Guilan, Golestan, Isfahan, Kerman, Khorasan, Kordestan, Tehran Provinces (Dlabola, 1971; Kheiri, 1988; Mirzayans, 1995; Abaei, 1998).

**Distribution:** Iran, Nearctic regions, Turkey, Western Palearctic (Metcalf, 1967).

***Macrosteles oculatus* Dlabola, 1952**

**Records:** Kerman, Khouzestan Provinces (Dlabola, 1960; 1984).

**Distribution:** Iran, Iraq (Dlabola, 1952; Metcalf, 1967; Nast, 1972).

***Macrosteles ossiannilssoni* Lindberg, 1954**

**Records:** Golestan, Khouzestan Provinces (Dlabola, 1971; Mirzayans, 1995).

**Distribution:** Canary Islands, Iran (Dlabola, 1971; Metcalf, 1967).

***Macrosteles pythicus* Dlabola, 1970**

**Records:** South of Iran (Dlabola, 1970).

**Distribution:** Iran, Mongolia (Dlabola, 1970).

***Macrosteles quadripunctulatus* (Kirschbaum, 1868)**

**Records:** Hormozgan, Kerman, Kermanshah, Khouzestan, Tehran, W. Azarbaijan Provinces (Dlabola, 1961; Mirzayans, 1995).

**Distribution:** Austria, Bulgaria, China, Czech Republic, Denmark, Finland, Germany, Greece, Iran, Iraq, Netherlands, Poland, Slovakia, Sweden, Turkey, United Kingdom (Dlabola, 1961; Metcalf, 1967; Zeybekoglu, 1993; Zhang et al., 2013).

***Macrosteles razvjazkinae* Dubovsky, 1966**

**Records:** Tehran Province (Mirzayans, 1995).

**Distribution:** Iran, Kyrgyzstan, Tajikistan, Uzbekistan (Dubovsky, 1966; Mirzayans, 1995).

***Macrosteles salsolae* (Puton, 1872)**

**Records:** Mazandaran Province (Dlabola, 1984).

**Distribution:** Belgium, Cyprus, France, Iran, Italy, Romania (Metcalf, 1967; Dlabola, 1984).

***Macrosteles sexnotatus* (Fallén, 1806)**

**Material examined:** Iran; Kerman Province: Dalfard, 30.Nov.2009, 4 ♂ and 6 ♀, with light trap in grasslands, leg.: F. Pakarpour (JAZMUT).

**Records:** Chaharmahal & Bakhtiari, Kerman Province (Mirzayans, 1995).

**Distribution:** Nearctic, Eastern and Western Palearctic (Dlabola, 1965; Metcalf, 1967).

**Genus *Maiestas* Distant, 1917**

***Maiestas horvathi* (Then, 1896)**

**Material examined:** Iran; Kerman Province: Bam, 19.Sep.2010, 1 ♂ and 2 ♀, with light trap in palm trees, leg.: F. Pakarpour (JAZMUT).

**Records:** Guilan, Hormozgan, Kerman, Khorasan Razavi, Khouzestan Provinces (Mirzayans, 1995).

**Distribution:** Austria, Bulgaria, European Russia, Germany, Hungary, Iran, Italy, Turkey, Ukraine, Yugoslavia (Metcalf, 1967; Nast, 1972).

***Maiestas schmidtgeni* (Wagner, 1939)**

**Material examined:** Iran; Kerman Province: Kahnuj, 7.Dec.2009, 2 ♂, in citrus orchard, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Khouzestan, Tehran, Sistan & Balouchestan Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** China, Czech Republic, France, Germany, Hungary, Iran, Israel, Italy, Saudi Arabia, Slovakia, United Kingdom (Metcalf, 1967; Nast, 1972; Dlabola, 1979)

***Maiestas trifasciata* (Lindberg, 1954)**

**Records:** Hormozgan, Sistan & Balouchestan Provinces (Dlabola, 1994).

**Distribution:** Canary Islands, Iran, Burkina Faso (Metcalf, 1967; Dlabola, 1994).

**Genus *Megalopsius* Emeljanov, 1961**

***Megalopsius oshanini* (Emeljanov, 1961)**

**Records:** Hormozgan, Kerman, Sistan & Balouchestan Provinces (Dlabola, 1984; Mirzayans, 1995).

**Distribution:** Iran, Turkmenistan (Emeljanov, 1961; Dlabola, 1984).

**Genus *Mirzayansus* Dlabola, 1979**

***Mirzayansus denaicus* Dlabola, 1979**

**Records:** Fars Province (Dlabola, 1979; Nast, 1982).

**Distribution:** Iran (Dlabola, 1979; Nast, 1982).

**Genus *Mocydiopsis* Ribaut, 1939**

***Mocydiopsis parvicauda* Ribaut, 1939**

**Material examined:** Iran; Kerman Province: Rabor, 12.Jul.2010, 2 ♂ and 2 ♀, swept on grasslands, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman Province (Dlabola, 1981).

**Distribution:** France, Germany, Great Britain, Iran, Italy, Sweden (Servadei, 1960; Metcalf, 1967).

**Genus *Nealiturus* Distant, 1918**

***Nealiturus alboflavovittatus* (Lindberg, 1954)**

**Material examined:** Iran; Kerman Province: Jiroft, 14.Mar.2011, 1 ♂, swept on weeds, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman Province – (Pakarpour et al., 2014).

**Distribution:** Canary Islands, Iran (Lindberg, 1954; Pakarpour et al., 2014).

***Nealiturus fenestratus* (Herrich-Schäffer, 1834)**

**Material examined:** Iran; Kerman Province: Rayen, 11.Jul.2010, 1 ♂, swept on weeds in apple orchard, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Tehran Provinces (Kheiri, 1988; Mirzayans, 1995).

**Distribution:** Eastern Palearctic, Western Palearctic (Metcalf, 1967).

***Nealiturus (Alituriscus) decemocellatus* Dlabola, 1987**

**Records:** North of Iran (Dlabola, 1987).

**Distribution:** Iran (Dlabola, 1987).

***Nealiturus (Circulifer) dubiosus* (Matsumura, 1908)**

**Records:** Isfahan, Tehran Provinces (Mirzayans, 1995).

**Distribution:** European Russia, France, India, Iran, Israel, Italy, Morocco (Metcalf, 1967; Klein et al., 1982).

***Nealiturus (Circulifer) haematoceps* (Mulsant & Rey, 1855)**

**Material examined:** Iran; Kerman Province: Manujan, 8.Dec.2009, 2 ♂ and 1 ♀, citrus trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).

**Records:** Alborz, Fars, Hormozgan, Kerman, Kermanshah, Khorasan Razavi, Khouzestan, Kohkilouye & Boirahmad, Kordestan, Qom, Sistan & Balouchestan, Tehran, W. Azarbaijan Provinces (Kheiri, 1988; Mirzayans, 1995).

**Distribution:** Eastern Palearctic, Western Palearctic (Nast, 1972).

***Neoliturus (Circulifer) opacipennis (Lethierry, 1876)***

**Records:** E. Azarbaijan, Golestan, Kerman, Khorasan, Mazandaran, N. Khorasan, Qazvin, Sistan & Balouchestan, Zanjan Provinces (Dlabola, 1960; 1971).

**Distribution:** Eastern Palearctic, Western Palearctic (Dlabola, 1960; Metcalf, 1967).

***Neoliturus pulcher (Haupt, 1927)***

**Records:** Hormozgan, Kerman, Tehran, Sistan & Balouchestan Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** European Russia, Iran, Israel, Saudi Arabia (Metcalf, 1967; Nast, 1972; Dlabola, 1979).

***Neoliturus (Circulifer) tenellus (Baker, 1896)***

**Material examined:** Iran; Kerman Province: Shahdad, 10.Apr.2010, 22 ♂ and 13 ♀, in palm trees with light trap; Rahmat Abad Rigan, 23.Sep.2010, 10 ♂ and 24 ♀, in Citrus trees by sweeping, leg.: F. Pakarpour (JAZMUT).

**Records:** Fars, Kerman, Khouzestan, Lorestan, Tehran, Sistan & Balouchestan Provinces (Dlabola, 1960; Kheiri, 1988; Mirzayans, 1995).

**Distribution:** Nearctic, Palearctic (Linnavuori, 1961; 1962; Metcalf, 1967; Nast, 1972; Dlabola, 1979).

**Genus *Neolimnus* Linnavuori, 1953**

***Neolimnus (Neolimnus) egyptiacus (Matsumura, 1908)***

**Records:** Hormozgan, Kerman, Sistan & Balouchestan Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Egypt, Ethiopia, Iran, Jordan, Pakistan, Saudi Arabia, Somalia (Dlabola, 1965; 1979; Metcalf, 1967; Heller & Linnavuori, 1968; Nast, 1972).

***Neolimnus (Sarbazius) superlaminatus Dlabola, 1977***

**Material examined:** Iran; Kerman Province: Rahmat Abad Rigan, 10.Apr.2010, 1 ♂ and 5 ♀, in palm trees, collected by sweeping, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Sistan & Balouchestan Province (Dlabola, 1977; Mirzayans, 1995).

**Distribution:** Iran, Saudi Arabia (Dlabola, 1979; Nast, 1982).

**Genus *Opsius* Fieber, 1866**

***Opsius cypriacus* Lindberg, 1958**

**Records:** Alborz, Kerman, Khouzestan, Markazi, Tehran Provinces (Mirzayans, 1995; Abaei, 1998).

**Distribution:** Cape Verde, Iran (Lindberg, 1958; Mirzayans, 1995).

***Opsius discessus (Horváth, 1911)***

**Records:** Kerman Province (Dlabola, 1960).

**Distribution:** Azerbaijan, European Russia, Georgia, Iran (Dlabola, 1960; Metcalf, 1967; Nast, 1972)

***Opsius jucundus* (Lethierry, 1871)**

**Records:** Kerman, Khouzestan, Qom, Tehran, Sistan & Balouchestan Provinces – Dlabola (1960); Nast (1972); Dlabola (1981); Mirzayans (1995).

**Distribution:** Algeria, European Russia, Iran, Iraq, Kazakhstan, Kyrgyzstan, Tadjhikistan, Turkey, Turkmenistan, Uzbekistan.

***Opsius pallasii* (Lethierry, 1874)**

**Records:** Fars, Hormozgan, Kerman, Sistan & Balouchestan Provinces (Mirzayans, 1995).

**Distribution:** Algeria, Armenia, Azerbaijan, European Russia, France, Georgia, Greece, Iran, Kazakhstan, Kyrgyzstan, Spain, Tadjhikistan, Tajikistan, Tunisia, Turkey, Turkmenistan, Uzbekistan (Dlabola, 1960; Metcalf, 1967).

***Opsius richteri* Dlabola, 1960**

**Records:** Hormozgan, Kerman, Sistan & Balouchestan Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1960; Nast, 1972).

***Opsius scutellaris* (Lethierry, 1874)**

**Records:** Fars, Kerman Provinces (Kheiri, 1988; Abaei, 1998).

**Distribution:** Algeria, Canary Islands, China, Iran, Libya (Metcalf, 1967).

***Opsius tigrisipes* (Lethierry, 1876)**

**Records:** Unknown locality.

**Distribution:** Afghanistan, European Russia, Iran, Saudi Arabia (Metcalf, 1967; Nast, 1972; Dlabola, 1979).

***Opsius versicolor* (Distant, 1908)**

**Records:** Hormozgan, Kerman, Mazandaran, Sistan & Balouchestan Provinces (Dlabola, 1984).

**Distribution:** European Russia, India, Indonesia, Iran, Pakistan, Saudi Arabia (Dlabola, 1961; Nast, 1972; Ahmed & Sultana, 1994).

**Genus *Orosius* Distant, 1918*****Orosius albicinctus* Distant, 1918**

**Material examined:** Iran; Kerman Province: Manujan, 8.Dec.2009, 3 ♀, via light trap on citrus trees, leg.: F. Pakarpour (JAZMUT).

**Records:** Boushehr, Hormozgan, Kerman, Khouzestan Provinces (Mirzayans, 1995).

**Distribution:** Australia, India, Iran, Iraq, Israel (Metcalf, 1967; Mirzayans, 1995).

***Orosius minuicus* Dlabola, 1979**

**Records:** Khouzestan Province (Dlabola, 1979).

**Distribution:** Iran, Saudi Arabia (Dlabola, 1979; Nast, 1982).

**Genus *Osbornellus* Ball, 1932*****Osbornellus (Mavromoustacus) arboropictus* Dlabola, 1984**

**Records:** Kerman Province (Dlabola, 1984).

**Distribution:** Iran (Dlabola, 1984).

***Osbornellus (Mavromoustacus) deviatricus* Dlabola, 1974**

**Records:** Fars, Kerman Provinces (Dlabola, 1974).

**Distribution:** Iran (Dlabola, 1974; Nast, 1982).

**Genus *Paradorydium* Kirkaldy, 1901*****Paradorydium breviceps* (Melichar, 1902)****Records:** Sistan & Balouchestan Province (Dlabola, 1960).**Distribution:** Iran (Dlabola, 1960; Nast, 1972; Metcalf, 1967).***Paradorydium (Paradorydium) paradoxum* (Herrich-Schäffer, 1837)****Material examined:** Iran; Kerman Province: Shahdad, 10.Apr.2010, 1 ♂, swept on weeds, leg.: F. Pakarpour (JAZMUT).**Records:** Kerman Province (Pakarpour & Nozari, 2011a).**Distribution:** Iran, Italy (D'Urso, 1992; Pakarpour & Nozari, 2011a).**Genus *Parafieberiella* Dlabola, 1974*****Parafieberiella olivacea* Dlabola, 1974****Records:** Fars Province (Dlabola, 1974; Mirzayans, 1995).**Distribution:** Iran (Dlabola, 1974; Nast, 1982).**Genus *Paralimnus* Matsumura, 1902*****Paralimnus phragmitis* (Boheman, 1847)****Records:** Khouzestan, Tehran Provinces (Dlabola, 1960; Mirzayans, 1995).**Distribution:** Western Palearctic, Eastern Palearctic (Metcalf, 1967; Nast, 1972).***Paralimnus straminostriatus* Dlabola, 1994****Records:** Kerman, Sistan & Balouchestan Provinces (Dlabola, 1994).**Distribution:** Iran (Dlabola, 1994).**Genus *Paralimnellus* Emeljanov, 1972*****Paralimnellus cingulatus* (Dlabola, 1960)****Material examined:** Iran; Kerman Province: Shahdad, 10.Apr.2010, 8 ♂ and 11 ♀, in citrus trees, collected with sweeping; leg.: F. Pakarpour (JAZMUT).**Records:** Kerman province (Dlabola, 1960).**Distribution:** Iran, Iraq, Tadjikistan (Dlabola, 1960).**Genus *Paramesanus* Dlabola, 1979*****Paramesanus wittmeri* Dlabola, 1979****Records:** Sistan & Balouchestan Province (Dlabola, 1979; Mirzayans, 1995).**Distribution:** Iran, Saudi Arabia (Dlabola, 1979; Nast, 1982).**Genus *Paramesodes* Ishihara, 1969*****Paramesodes lineaticollis* (Distant, 1908)****Records:** Isfahan Province (Dlabola, 1984).**Distribution:** Bangladesh, China, India, Indonesia, Iran, Pakistan, Philippines, Taiwan, Turkey (Metcalf, 1967; Mahmood & Meher, 1973; Dlabola, 1984).**Genus *Paramesus* Fieber, 1866*****Paramesus major* Haupt, 1927****Records:** E. Azarbaijan, Khouzestan, Lorestan, W. Azarbaijan Provinces (Mirzayans, 1995).**Distribution:** Iran, Israel, Turkey (Metcalf, 1967; Lodos & Kalkandelen, 1987).



**Genus *Parapotes* Emeljanov, 1975*****Parapotes reticulatus* (Horváth, 1897)****Records:** Mazandaran Province (Mirzayans, 1995).**Distribution:** Azerbaijan, European Russia, Georgia, Germany, Hungary, Iran, Netherlands, Romania, Turkey (Metcalf, 1967; Lodos & Kalkandelen, 1987).**Genus *Pedarium* Emeljanov, 1961*****Pedarium ruderale* Emeljanov, 1961****Records:** Sistan & Balouchestan Province (Dlabola, 1984).**Distribution:** Iran, Kazakhstan (Emeljanov, 1961; Dlabola, 1984).**Genus *Penthimia* Germar, 1821*****Penthimia scutellata* Melichar, 1902****Material examined:** Iran; Kerman Province: Kerman, 25.Apr.2011, 2 ♀, swept on weeds, leg.: F. Pakarpour (JAZMUT).**Records:** Kerman, Sistan & Balouchestan Province (Dlabola, 1960).**Distribution:** Iran, Yemen (Metcalf, 1967; Nast, 1972).**Genus *Phlepsius* Fieber, 1866*****Phlepsius evinus* Dlabola, 1974****Records:** Hormozgan, Tehran Provinces (Dlabola, 1974; 1984; Nast, 1982; Mirzayans, 1995).**Distribution:** Iran, Jordan, Saudi Arabia (Dlabola, 1974; 1980; 1984; Nast, 1982).***Phlepsius intricatus* (Herrich-Schäffer, 1838)****Material examined:** Iran; Kerman Province: Tahroud village, 20.Mar.2010, 1 ♂ and 2 ♀, swept on graminiae; Joupar, 6.Jul.2010, 2 ♂ and 1 ♀, swept on alfalfa; Zarand, 10.Aug.2010; 3 ♀, swept on weeds, leg.: F. Pakarpour (JAZMUT).**Records:** Fars, Isfahan, Kerman, Kermanshah, Kordestan, Qom, Tehran Provinces (Dlabola, 1974; Mirzayans, 1995).**Distribution:** Eastern and Western Palearctic (Metcalf, 1967; Nast, 1972).***Phlepsius isinus* Dlabola, 1979****Records:** Hormozgan Province (Dlabola, 1979; Mirzayans, 1995).**Distribution:** Iran (Dlabola, 1979).***Phlepsius kambyses* Dlabola, 1984****Records:** Fars, Kohkilouyeh & Boirahmad Provinces (Dlabola, 1984).**Distribution:** Iran (Dlabola, 1984).***Phlepsius ornatus* (Perris, 1857)****Records:** Hormozgan, Kermanshah, Khorasan Razavi, Mazandaran, S. Khorasan, Tehran, W. Azarbaijan Provinces (Mirzayans, 1995).**Distribution:** Iran, Tajikistan (Korolevskaya).**Genus *Platymetopius* Burmeister, 1838*****Platymetopius (Platymetopius) catenatus* Dlabola, 1981****Records:** Fars Province (Dlabola, 1981).

**Distribution:** Iran (Dlabola, 1981).

***Platymetopius (Platymetopius) centralasiae* Dlabola, 1960**

**Records:** Alborz, Isfahan, Khorasan Razavi, Markazi, Tehran Provinces (Dlabola, 1960); Mirzayans, 1995).

**Distribution:** Afghanistan, Iran, Uzbekistan (Dlabola, 1960; Nast, 1972).

***Platymetopius (Platymetopius) chloroticus* Puton, 1877**

**Records:** Alborz, Tehran Provinces (Mirzayans, 1995).

**Distribution:** Afghanistan, Azerbaijan, European Russia, Iran, Kazakhstan, Kyrgyzstan, Mongolia, Tadjikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan (Metcalf, 1967; Lodos & Kalkandelen, 1986).

***Platymetopius (Platymetopius) coronatus* Dlabola, 1974**

**Records:** North of Iran (Dlabola, 1974).

**Distribution:** Iran (Dlabola, 1974; Nast, 1982).

***Platymetopius (Platymetopius) cruentatus* Haupt, 1927**

**Records:** Fars, Hormozgan, Kerman, Khouzestan, Sistan & Balouchestan Provinces (Dlabola, 1960; Mirzayans, 1995).

**Distribution:** Iran, Iraq, Israel, Jordan, Saudi Arabia, Turkey (Dlabola, 1960; 1965; 1979; Metcalf, 1967; Lodos & Kalkandelen, 1986).

***Platymetopius (Platymetopius) distinctus* Melichar, 1902**

**Records:** Fars, Isfahan, Kerman, Kohkilouyeh & Boirahmad, Mazandaran, S. Khorasan Provinces (Mirzayans, 1995).

**Distribution:** Afghanistan, Iran (Metcalf, 1967; Nast, 1972).

***Platymetopius (Platymetopius) enatus* Dlabola, 1974**

**Records:** Fars, Kohkilouyeh & Boirahmad Provinces (Dlabola, 1974; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1974; Nast, 1982).

***Platymetopius (Platymetopius) exalbescens* Dlabola, 1974**

**Records:** Kohkilouyeh & Boirahmad Province (Dlabola, 1974; Mirzayans, 1995).

**Distribution:** Iran.

***Platymetopius (Platymetopius) exhereditus* Dlabola & Heller, 1962**

**Records:** Sistan & Balouchestan Province – Dlabola & Heller (1962); Nast (1972); Mirzayans (1995).

**Distribution:** Iran (Dlabola, 1974; Nast, 1982).

***Platymetopius (Platymetopius) guttatus* Fieber, 1869**

**Records:** Alborz, Golestan, Hormozgan, Mazandaran Provinces (Mirzayans, 1995; Abaei, 1998).

**Distribution:** Eastern Palearctic, Western Palearctic (Metcalf, 1967).

***Platymetopius (Platymetopius) jasudicus* Dlabola, 1981**

**Records:** Dlabola (1981); Mirzayans (1995).

Kohkilouyeh & Boirahmad, Tehran Provinces.

**Distribution:** Iran.

***Platymetopius (Platymetopius) major (Kirschbaum, 1868)***

**Records:** Golestan, Mazandaran Provinces (Mirzayans, 1995).

**Distribution:** Algeria, Armenia, Austria, Belgium, Czech Republic, Denmark, France, Germany, Greece, Iran, Italy, Jordan, Netherlands, Poland, Siberia, Slovakia, Sweden, Turkey (Dlabola, 1967b; Metcalf, 1967; Lodos & Kalkandelen, 1986).

***Platymetopius (Platymetopius) obsoletus (Signoret, 1880)***

**Records:** Fars Province (Dlabola, 1961; 1981).

**Distribution:** Armenia, Azerbaijan, Croatia, European Russia, Georgia, Iran, Israel, Italy, Turkey, Ukraine (Metcalf, 1967; Nast, 1972).

***Platymetopius (Platymetopius) rostratus (Herrich-Schäffer, 1834)***

**Material examined:** Iran; Kerman Province: Baft, 13.Jul.2010, 4 ♂ and 4 ♀, swept on Alfafa; Ravar, 1.Aug.2010, 2 ♂ and 5 ♀, swept on Alfalfa, leg.: F. Pakarpour (JAZMUT).

**Records:** Kerman, Tehran Province (Mirzayans, 1995).

**Distribution:** Eastern Palearctic, Western Palearctic (Metcalf, 1967).

***Platymetopius (Platymetopius) safavii Dlabola, 1971***

**Records:** Khouzestan, Kordestan, Sistan & Balouchestan, Tehran Provinces (Dlabola, 1971; Mirzayans, 1995).

**Distribution:** Iran, Turkey (Dlabola, 1971; Nast, 1982; Lodos & Kalkandelen, 1986).

***Platymetopius (Platymetopius) shirazicus Dlabola, 1974***

**Records:** Fars, Golestan, Guilan, Mazandaran, Tehran Provinces (Dlabola, 1974; Mirzayans, 1995).

**Distribution:** Iran, Turkey (Dlabola, 1974; Nast, 1982).

***Platymetopius (Platymetopius) trifasciatus Dlabola, 1981***

**Records:** Fars, Hormozgan, Kerman, Tehran Provinces (Dlabola, 1981; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1981).

***Platymetopius (Platymetopius) undulatus Dlabola, 1987***

**Records:** Fars Province (Dlabola, 1987).

**Distribution:** Iran (Dlabola, 1987).

***Platymetopius (Quernus) complicatus Nast, 1972***

**Records:** Alborz, Fars, Hormozgan, Isfahan, Kohkilouyeh & Boirahmad, Sistan & Balouchestan, Tehran Provinces (Mirzayans, 1995).

**Distribution:** Austria, Croatia, Greece, Iran, Italy, Yugoslavia (Metcalf, 1967; Nast, 1972).

***Platymetopius (Quernus) quercinus Dlabola, 1974***

**Records:** Fars Province (Dlabola, 1974).

**Distribution:** Iran, Turkey (Dlabola, 1974; Nast, 1982; Lodos & Kalkandelen, 1986).

**Genus *Proceps* Mulsant & Rey, 1855**

***Proceps acicularis* Mulsant & Rey, 1855**

**Records:** Hormozgan, Kerman Provinces (Dlabola, 1977; 1984; Mirzayans, 1995).

**Distribution:** Bosnia and Herzegovina, Croatia, Cyprus, France, Greece, Hungary, Iran, Italy, Jordan, Turkey, Yugoslavia (Dlabola, 1965; 1977; 1984; Metcalf, 1967; Lodos & Kalkandelen, 1986).

**Genus *Psammotettix* Haupt, 1929*****Psammotettix alienus* (Dahlbom, 1851)**

**Material examined:** Iran; Kerman Province: Kerman Province: Jiroft, 2.Dec.2009, 31 ♂ and 18 ♀, by light trap in potato field. leg.: F. Pakarpour (JAZMUT).

**Records:** Chaharmahal & Bakhtiari, E. Azarbaijan, Guilan, Golestan, Isfahan, Kerman, Kermanshah, Khorasan Razavi, Khouzestan, Kohkilouyeh & Boirahmad, Kordestan, Lorestan, Mazandaran, Tehran, W. Azarbaijan Provinces (Dlabola, 1971; Kheiri, 1988; Mirzayans, 1995); Abaei, 1998).

**Distribution:** Nearctic, Eastern Palearctic, Western Palearctic (Metcalf, 1967).

***Psammotettix pictipennis* (Kirschbaum, 1868)**

**Records:** E.Azarbaijan, Zanzan Provinces (Dlabola, 1971).

**Distribution:** Austria, Belgium, European Russia, France, Germany, Great Britain, Hungary, Iran, Portugal, Romania, Slovakia, Spain, Ukraine (Metcalf, 1967; Dlabola, 1971).

***Psammotettix seriphidii* Emeljanov, 1962**

**Records:** W.Azarbaijan (Abdollahi et al., 2014b)

**Distribution:** Iran, Kazakhstan (Emeljanov, 1962; Nast, 1972; Abdollahi et al., 2014b).

***Psammotettix striatus* (Linnaeus, 1758)**

**Material examined:** Iran; Kerman Province: Dalfard, 30.Nov.2009, 6 ♂ and 14 ♀, swept on grasslands, leg.: F. Pakarpour (JAZMUT).

**Records from Iran:** Alborz, Boushehr, Golestan, Kerman, Khorasan Razavi, Kohkilouyeh & Boirahmad, Khouzestan, Lorestan, Mazandaran, Sistan & Balouchestan, Tehran Provinces (Dlabola, 1960; 1961; Mirzayans, 1995).

**Distribution:** Afrotropical, Nearctic, Oriental, Palearctic (Metcalf, 1967; Nast, 1972).

***Psammotettix transcaucasicus* Dlabola, 1961**

**Records:** South of Iran (Dlabola, 1994).

**Distribution:** Georgia, Iran, Kazakhstan, Turkey (Dlabola, 1961; 1994).

**Genus *Pseudophlepsius* Zachvatkin, 1955*****Pseudophlepsius binotatus* (Signoret, 1880)**

**Records:** E. Azarbaijan, Kerman, Khorasan Razavi, Khouzestan, Kohkilouyeh & Boirahmad, Qom, Tehran Provinces (Dlabola, 1961; Mirzayans, 1995).

**Distribution:** Afghanistan, Armenia, Azerbaijan, European Russia, Georgia, Iran, Kazakhstan, Kyrgyzstan, Morocco, Tadjikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan (Metcalf, 1967).

**Genus *Pteropyx* Haupt, 1927*****Pteropyx hyalinus* Haupt, 1927**

**Records:** Hormozgan, Sistan & Balouchestan Provinces (Dlabola, 1994).

**Distribution:** Afghanistan, Iran, Israel (Metcalf, 1967; Emeljanov, 1972; Dlabola, 1994).

**Genus *Savanicus* Dlabola, 1977*****Savanicus sirik* Dlabola, 1977**

**Records:** Hormozgan Province (Dlabola, 1977; Mirzayans, 1995).

**Distribution:** Iran, Saudi Arabia (Nast, 1982).

***Savanicus ultimus* Dlabola, 1977**

**Records:** Hormozgan Province (Dlabola, 1977; Mirzayans, 1995).

**Distribution:** Iran, Saudi Arabia (Dlabola, 1977; 1980).

**Genus *Selenocephalus* Germar, 1833*****Selenocephalus dareicus* Dlabola, 1981**

**Records:** Fars Province (Dlabola, 1981; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1981).

***Selenocephalus hafezicus* Dlabola, 1981**

**Records:** Fars Province (Dlabola, 1981).

**Distribution:** Iran (Dlabola, 1981).

***Selenocephalus kyrosicus* Dlabola, 1981**

**Records:** Fars Province (Dlabola, 1981; Mirzayans, 1995).

**Distribution:** Iran (Dlabola, 1981).

***Selenocephalus nizamicus* Dlabola, 1981**

**Records:** Fars Province (Dlabola, 1981).

**Distribution:** Iran (Dlabola, 1981).

***Selenocephalus pallidus* Kirschbaum, 1868**

**Records:** Chaharmahal & Bakhtiari, Fars Provinces (Mirzayans, 1995).

**Distribution:** Algeria, Austria, Cyprus, Egypt, European Russia, Greece, Hungary, Iran, Israel, Libya, Morocco, Sudan, Tunisia, Western Sahara (Metcalf, 1967).

***Selenocephalus planus* (Turton, 1802)**

**Records:** Unknown locality.

**Distribution:** Afrotropical regions, Western Palearctic (Metcalf, 1967; Nast, 1972).

***Selenocephalus saadicus* Dlabola, 1981**

**Records:** Fars Province (Dlabola, 1981).

**Distribution:** Iran (Dlabola, 1981).

***Selenocephalus zagrosicus* Dlabola, 1974**

**Records:** Lorestan Province (Dlabola, 1974).

**Distribution:** Iran (Dlabola, 1974; Nast, 1982).

**Genus *Stegelytra* Mulsant & Rey, 1855*****Stegelytra neveosparsa* (Ghuri, 1972)**

**Records:** Fars, Kermanshah, Kohkilouyeh & Boirahmad, Lorestan Provinces (Dlabola, 1974; Mirzayans (1995).

**Distribution:** Iran, Iraq (Ghuri, 1972; Dlabola, 1974).

**Genus *Stenomethardya* Dlabola, 1981*****Stenomethardya veriviva* Dlabola, 1981**

**Records:** South of Iran (Dlabola, 1981).

**Distribution:** Iran (Dlabola, 1981).

**Genus *Stenometopiellus* Haupt, 1917*****Stenometopiellus iranicus* Zachvatkin, 1946****Records:** Tehran Province (Mirzayans, 1995).**Distribution:** Iran (Metcalf, 1967).***Stenometopiellus sigillatus* Haupt, 1917****Material examined:** Iran; Kerman Province: Bam, Baravat, 19.Sep.2010, 1 ♂ and 3 ♀, swept on weeds, leg.: F. Pakarpour (JAZMUT).**Records:** Kerman Province (Pakarpour & Nozari, 2011a).**Distribution:** Afghanistan, Iran, Kazakhstan, Kyrgyzstan, Tadjikistan, Turkmenistan, Uzbekistan (Dlabola, 1957; Metcalf, 1967).**Genus *Stirellus* Osborn & Ball, 1902*****Stirellus lahorensis* (Distant, 1918)****Material examined:** Iran; Sistan & Balouchestan Province: Iranshahr, 21.Sep.2010, 2 ♂ and 6 ♀, in palm trees, collected by sweeping, leg.: F. Pakarpour; Kerman Province, Kahnuj, 7.Dec.2009, 2 ♂, in citrus orchard, collected by sweeping, leg.: F. Pakarpour (JAZMUT).**Records:** Sistan & Balouchestan Province (Pakarpour & Nozari, 2011b).**Distribution:** India, Iran, Pakistan (Metcalf, 1967, Mahmood et al., 1972; Pakarpour & Nozari, 2011b).**Genus *Stymphalus* Stål, 1866*****Stymphalus rubrolineatus* (Stål, 1855)****Records:** Khouzestan Province (Mirzayans, 1995).**Distribution:** Ethiopia, Iran, South Africa, Tanzania, Zaire (Metcalf, 1967; Heller & Linnavuori, 1968; Mirzayans, 1995).**Genus *Tamaricades* Emeljanov, 1962*****Tamaricades maculatus* (Emeljanov, 1962)****Records:** Hormozgan, Kerman, Khouzestan, Qom, Sistan & Balouchestan Provinces (Dlabola, 1994; Mirzayans, 1995).**Distribution:** Azerbaijan, Georgia, Iran (Nast, 1972; Dlabola, 1994).***Tamaricades palliatus* (Lethierry, 1887)****Records:** Hormozgan, Kerman, Khorasan Razavi, Sistan & Balouchestan Provinces (Dlabola, 1994; Mirzayans, 1995).**Distribution:** Algeria, Azerbaijan, Egypt, European Russia, Georgia, Iran, Kazakhstan, Kyrgyzstan, Libya, Saudi Arabia, Tadjikistan, Turkmenistan, Uzbekistan (Metcalf, 1967; Dlabola, 1979; 1994).**Genus *Tbilisica* Dlabola, 1958*****Tbilisica alata* Dlabola, 1984****Records:** Mazandaran, Kerman Provinces (Dlabola, 1984).**Distribution:** Iran (Dlabola, 1984).***Tbilisica denticulata* Dlabola, 1958****Records:** Fars, Guilan, Isfahan, Kohkilouyeh & Boirahmad, Mazandaran, Tehran (Dlabola, 1974; Mirzayans, 1995).**Distribution:** Afghanistan, Georgia, Iran (Dlabola, 1974).

***Tbilisica perseidis* Dlabola, 1974**

**Records:** Guilan, Golestan, Mazandaran Provinces (Dlabola, 1974).

**Distribution:** Iran (Dlabola, 1974; Nast, 1982).

**Genus *Thamnotettix* Zetterstedt, 1840*****Thamnotettix gazellus* Emeljanov, 1962**

**Records:** Golestan, Guilan, Mazandaran Provinces (Dlabola, 1972; Mirzayans, 1995).

**Distribution:** Iran (Nast, 1972).

**DISCUSSION**

Although many reports for Iranian Deltocephalinae were disseminated from many years ago, but the leafhopper fauna in Iran still remains poorly known. The present checklist of Iranian Deltocephalinae totally demonstrated 184 species belonging to 74 genera. It seems that this number is far from trustworthy approximation of the number of deltocephalin leafhoppers species in Iran. Therefore this scarcity of data does not permit us making a proper geographical analysis of Iranian leafhopper fauna. However, in the future, when sufficient material will have been sampled, the Iranian leafhopper fauna will be comparable with adjacent regions in the Middle East e.g. Armenia, Azarbaijan, Turkey, Turkmenistan, Afghanistan & Arabian Peninsula. Likewise, the presence of material from oriental regions like Pakistan demonstrates a relation between Iranian fauna and this areas. Hence, further studies needed to improve our knowledge on Iranian leafhoppers and supplementary field work is really required for a suitable assessment of leafhopper biodiversity in Iran.

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